

CLAIMS

1. An electronic component mounting apparatus, which comprises:

5 a component feed device (101A, 101B) for supplying electronic components (111) to be mounted on a mount object (105) which has a drive power source device for the feed device (1071A, 1071B) for supplying a driving electric power for the component feed device and a control power source device for the feed device (1072A, 1072B) for
10 supplying an operation control electric power for the component feed device;

a component transfer device (102) for holding the electronic components from the component feed device and mounting onto the mount object which has a drive power
15 source device for the transfer device (1081) for supplying a driving electric power for the component transfer device and a control power source device for the transfer device (1082) for supplying an operation control electric power for the component transfer device; and

20 a control device (104) for controlling operations of the component feed device and component transfer device,

wherein based on a detection of the control device that the electronic component mounting apparatus is at a halt in an operation because of the other reason than
25 a shutoff of power supply to the electronic component

mounting apparatus, in at least one of the drive power source devices for the feed device and the transfer device of the component feed device, the control device shuts off the power supply to the drive power source device thereof while maintaining the power supply to the control power source device thereof.

2. An electronic component mounting apparatus according to Claim 1, wherein the halt condition detected by the control device results from a maintenance work to the electronic component mounting apparatus, a component shortage at the component feed device, a wait mode for the mount object to be carried to the electronic component mounting apparatus, or an operation failure in at least one of the component feed device and the component transfer device.

3. An electronic component mounting apparatus according to Claim 2, wherein in the wait mode for the mount object, based on a cancel of the wait mode, the control device resumes the operations of the component feed device and component transfer device without a judgment by a worker.

4. An electronic component mounting apparatus according to Claim 3, wherein the control device detects the halt condition on the basis of output information from encoders (1073A, 1073B, 1083) equipped at the component

feed device and the component transfer device.

5. A power supply control method carried out by an electronic component mounting apparatus which mounts electronic components (111) on a mount object (105), the power supply control method comprising:

detecting an operation halt condition because of the other reason than a shutoff of power supply to the electronic component mounting apparatus; and

after the detection, shutting off a supply of a driving electric power to a part in the operation halt condition constituting the electronic component mounting apparatus while a supply of an operation control electric power is maintained to the part of the electronic component mounting apparatus.

6. A power supply control method according to Claim 5, when the detected operation halt condition is a wait mode for the mount object to be carried to the electronic component mounting apparatus, based on a cancel of the wait mode, operation of the electronic component mounting apparatus is resumed without a judgment by a worker.